

Montana Department of Public Health and Human Services
Communicable Disease Program

2005 Communicable Disease Summary

Reporting County ¹	CAMPYLOBACTER	DIPHTHERIA	PATHOGENIC COLI	GARDIA	HAE MO PH I L I S B	H E P A T I T I S A	H E P B A C U T E	H E P B C H R O N I C ²	H E P C A C U T E	H E P C C H R O N I C ²	L E G I O N E L L A	M E A S L E S	M E N I N G O I N F	M U M P S	P E R T U S S I S	R M S F	S A L M O N E L L A	S H I G E L L A	T U B E R C U L O S I S	FOODBORNE AND WATERBORNE OUTBREAK RELATED CASES INCIDENTS/CASES
Beaverhead	-	-	-	-	-	-	-	1	-	4	-	-	-	-	-	-	-	-	-	1/70
Big Horn	2	-	-	-	-	-	-	2	-	23	-	-	-	-	4	-	2	-	-	
Blaine	1	-	-	-	-	-	-	-	-	7	-	-	-	-	8	-	1	-	1	2/135
Broadwater	-	-	-	-	1	-	-	-	-	2	-	-	-	-	-	-	-	-	-	
Carbon	1	-	-	-	-	-	-	-	-	3	1	-	-	-	8	-	1	-	-	
Carter	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
Cascade	7	-	-	5	5	-	1	2	4	89	-	-	-	-	33	-	8	-	-	3/132
Chouteau	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	
Custer	-	-	-	-	-	-	1	2	-	18	-	-	-	-	-	-	-	-	-	
Daniels	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dawson	-	-	-	-	1	-	-	1	-	7	-	-	-	-	1	-	1	-	-	
Deer Lodge	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	1	-	-	
Fallon	-	-	1	-	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	1/10
Fergus	1	-	-	-	1	-	-	1	-	7	-	-	-	-	-	-	1	-	-	1/22
Flathead	14	-	-	-	6	-	1	4	-	61	-	-	-	-	9	-	8	-	2	1/75
Gallatin	10	-	-	6	11	-	1	1	6	68	-	-	-	-	58	-	8	-	-	
Garfield	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Glacier	2	-	-	-	-	-	1	-	-	10	-	-	-	-	15	-	1	-	1	
Golden Valley	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Granite	-	-	-	-	-	-	-	-	-	2	-	-	-	-	8	-	-	-	-	
Hill	4	-	-	-	-	-	-	1	-	29	-	-	-	-	29	-	4	-	1	1/30
Jefferson	2	-	-	2	3	-	-	-	-	4	-	-	-	-	20	-	1	-	-	
Judith Basin	1	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	1	-	-	
Lake	1	-	-	-	5	-	-	-	-	25	-	-	-	-	4	-	7	-	1	
Lewis & Clark	7	-	-	2	2	-	-	1	3	74	-	-	-	-	169	-	7	1	-	1/1
Liberty	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lincoln	-	-	-	-	4	-	1	1	-	26	1	-	-	-	4	-	1	-	-	
Madison	2	-	-	1	1	-	-	1	-	3	-	-	-	-	3	-	2	-	-	
McCone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Meagher	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	
Mineral	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
Missoula	14	-	-	2	15	-	4	1	10	84	1	-	-	-	5	-	61	3	-	2/57
Musselshell	1	-	-	-	1	-	-	-	-	1	-	-	-	-	8	-	-	-	-	
Park	2	-	-	-	-	-	1	-	-	14	-	-	-	-	2	-	-	-	1	
Petroleum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	
Phillips	1	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-	
Pondera	-	-	-	-	1	-	-	-	-	-	-	-	-	-	2	-	1	-	-	1/5
Powder River	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	
Powell	2	-	-	-	-	-	-	-	-	4	-	-	-	-	3	-	1	1	-	
Prairie	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ravalli	10	-	-	2	7	-	1	1	1	20	-	-	-	-	5	-	4	-	-	
Richland	-	-	-	-	1	-	-	1	-	4	-	-	-	-	-	-	-	-	-	
Roosevelt	1	-	-	-	3	-	-	-	-	15	-	-	-	-	2	-	1	-	-	
Rosebud	1	-	-	-	2	-	-	-	-	17	-	-	-	-	3	-	-	-	1	
Sanders	-	-	-	-	2	-	-	-	-	13	-	-	-	1	-	-	2	-	-	2/156
Sheridan	1	-	-	-	-	-	-	-	-	1	1	-	-	-	3	-	-	-	-	
Silver Bow	3	-	-	-	2	-	-	-	-	53	-	-	-	-	3	-	5	-	1	
Stillwater	2	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	
Sweet Grass	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Teton	1	-	-	-	1	-	-	-	-	1	-	-	-	-	10	-	2	-	-	
Toole	-	-	-	1	-	-	-	1	-	3	-	-	-	-	2	-	-	-	-	
Treasure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Valley	1	-	-	-	-	-	-	-	-	2	-	-	-	-	1	-	3	-	-	
Wheatland	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	
Wibaux	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Yellowstone	8	-	-	1	5	-	-	2	9	191	1	-	-	-	148	-	12	-	1	
2005Total	106	0	23	81	0	10	10	48	1	899	6	0	0	1	586	1	149	5	10	16/693
2004Total	143	0	32	72	0	8	14	na	2	na	3	0	3	0	84	3	188	4	15	19/569
2003Total	132	0	28	115	0	8	16	na	4	na	4	0	6	0	5	1	112	2	7	12/398

¹ "Reporting county" reflects county of residence whenever possible.

² Chronic Hepatitis B and C numbers reflect those cases entered into the DPHHS Hepatitis Registry during 2005.

Note: The above disease totals reflect the cumulative number of reports received by DPHHS January 1 through December 31, 2005. Each disease is classified by month of event. While month of event generally reflects the onset of symptoms, it may also reflect date of report or test. The reporting county is the county of residence/occurrence of the case. Data is subject to corrections.

OTHER DISEASES OF INTEREST: 2005 SUMMARY

Diseases which are reported infrequently or which are of special interest are detailed in this section as they occur. All counties reporting at least one case are listed.

Reporting County	A M E B I A S I S	A S E P M E N I N G	B A C M E N I N O T R	B A C T E R E M I A	B O T U L I S M O T H	C R E E T Z F E L D T	J A K O B D I S	C O L O R A D O T I C K	C R Y P T O S P O R	E N C P R I M	H F L U O T R	H A N T A V I R A L I L	K A W A S A K I S Y N D	A N I M A L R A B I E S	R E L A P S I N G F V R	S T R E P P N E M D R	T U L A R E M I A	W E S T N I L E	Y E R S I N O S I S
Beaverhead	-	3	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Big Horn	-	3	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-
Carbon	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Cascade	-	3	2	-	-	-	-	-	1	1	-	-	1	2	-	-	-	-	-
Chouteau	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Custer	-	1	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	10	-
Daniels	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Dawson	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Fergus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Flathead	-	3	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-
Gallatin	1	3	1	-	-	-	-	-	9	-	-	-	-	1	-	-	-	-	-
Garfield	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Glacier	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hill	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Jefferson	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Judith Basin	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Lake	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Lewis & Clark	-	1	-	-	1	-	-	-	2	-	-	-	-	-	-	-	-	-	1
Lincoln	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Madison	-	1	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
Meagher	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mineral	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Missoula	-	1	4	-	-	-	-	1	1	-	-	-	-	2	-	-	-	-	-
Mussetshell	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	1
Phillips	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Powell	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Ravalli	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Richland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Roosevelt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Rosebud	-	1	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	2	-
Sanders	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Sheridan	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Silver Bow	-	1	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Valley	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-
Yellowstone	-	12	3	2	-	-	-	-	4	-	1	-	-	-	-	1	-	4	-
2005 Total	1	37	17	3	1	1	3	23	1	2	1	1	15	0	1	2	26	1	
2004 Total	1	36	13	na	1	3	2	34	0	0	2	2	26	4	0	2	6	1	
2003 Total	0	80	12	na	0	1	1	18	0	0	5	1	23	0	0	0	228	0	

STATEWIDE REPORTS:

Conditions which are reported to the Centers for Disease Control and Prevention or which are unique are reported below. Such conditions may include seasonal events such as influenza activity, as well as outbreaks or events for which heightened awareness is necessary.

RABIES REPORT:

15 (2.9%) of the 520 specimens submitted during 2005 tested positive for the rabies virus.

Cascade:	2 Bat	Flathead:	4 Bats	Ravalli:	1 Bat
Custer:	1 Bat	Gallatin:	1 Bat	Sanders:	1 Bat
Daniels:	1 Skunk	Mineral:	1 Bat		
Dawson:	1 Bat	Missoula:	2 Bats		

FOODBORNE/WATERBORNE OUTBREAKS: The number of outbreaks/incidents and cases attributed to each are noted on page one. A short description of these reports are summarized below. Additional information may be obtained by contacting the county of report. Please report any "incident in which two or more persons experience a similar gastrointestinal or diarrheal illness and epidemiological analysis implicates a common source of exposure". A single case of foodborne intoxication (botulism, scromboid) should be considered an outbreak and reported.

OUTBREAKS/EVENTS OF INTEREST:

Beaverhead Co.	Reported a community gastroenteritis outbreak that appears to be primarily person to person spread. Approximately, 70 cases have been identified with a few clusters in institutional settings. Local tests for bacterial pathogens were negative and the illness and recovery are consistent with a Norwalk-like agent
Blaine Co.	January: A gastroenteritis outbreak sickened approximately 35 individuals associated with a wrestling tourny in Blaine Co. Individuals ill were residents of several counties. Norovirus suspected. October: An outbreak if gastroenteritis with diarrhea and cramping sickened an estimated 100 of 225 exposed during a sports related potluck. No medical care was sought. A local investigation identified food handling issues and Clostridium perfringens is suspected given the results of the investigation.
Cascade Co.	January: A gastroenteritis outbreak in a nursing home resulted in approximately 115 residents are inn with gastroenteritis. September: A cluster of upset stomachs (vomiting, no diarrhea) was reported in daycare center, appx 14 of 45 were ill during 2 day period. October: Approximately 3 individuals are reported ill after ingestion of homemade salsa. No human specimens were tested and all recovered after a GI illness.
Fergus Co.	January: A gastroenteritis outbreak in a nursing home sickened approximaely 10 staff and 12 residents with gastroenteritis. No causative agent was found in samples submitted.
Flathead Co.	February: A suspected norovirus outbreak in a long term care facility sickened 30 staff and 45 residents. No causative agent identified
Fallon Co.	February: A gastroenteritis outbreak in a long term care facility sickened 9 staff and 7 residents. No causative agent identified
Hill Co.	August: A cluster of illnesses following a family functions sickened approximately 30 individuals with upset stomach and vomiting. No suspect agent or food item at the potluck was implicated. Staph poisoning was suspected as cause of the outbreak.
Lewis & Clark Co.	A rare case of intestinal (formerly infant) botulism was confirmed after isolation of the organism from stool. No source determined.
Missoula & Flathead Co.	An outbreak of a acute short-lived respiratory condition affected 10 individuals staying at a local motel.at present, the hot tub appears to be the only common exposure. Exposure to Legionella is suspected. Clinical testing for Pontiac Fever (the less severe syndrome caused by exposure to Legionella) is problematic and has been unsuccessful in this case. A cluster of salmonella cases associated with a local restaurant was identified and investigated. App. 47 cases have been identified and app 30 are lab confirmed, establishment has reopened and surveillance for cases will be conducted. No specific source of the illness was pinpointed during the investigation.
Pondera Co.	October: A cluster of gastroenteritis invloving nausea and vomiting was reported to sicken 5 of 15 children attending a party. No causative agent or food identified.
Sanders Co.	April: An outbreak of gastroenteritis at a local school sickened approximately 150 students and staff. The illness was consistent with a viral agent, however, no specimens were collected.

A smaller GI outbreak at a local nursing home sickened 6 of 27 residents, bacterial testing was performed and negative. Both instances are consistent with a Norwalk-like agent.

SEXUALLY TRANSMITTED DISEASES BY COUNTY 2005 SUMMARY

Reporting County*	HIV/AIDS	CHLAMYDIA	GONORRHEA	SYPHILIS
Beaverhead	1	11	-	-
Big Horn	1	126	16	-
Blaine	-	32	1	-
Broadwater	-	-	-	-
Carbon	2	11	1	-
Carter	-	-	-	-
Cascade	5	298	32	-
Chouteau	-	3	-	-
Custer	-	18	2	-
Daniels	-	3	-	-
Dawson	1	8	2	-
Deer Lodge	2	24	-	-
Fallon	-	-	-	-
Fergus	-	15	1	-
Flathead	1	141	8	-
Gallatin	3	192	8	-
Garfield	-	-	-	-
Glacier	-	145	2	-
Golden Valley	-	-	-	-
Granite	1	0	1	-
Hill	-	76	5	-
Jefferson	2	15	1	-
Judith Basin	-	1	-	-
Lake	5	129	4	-
Lewis & Clark	5	116	3	-
Liberty	-	1	-	-
Lincoln	1	17	-	-
Madison	1	2	1	1
McCone	-	1	-	-
Meagher	-	-	-	-
Mineral	2	4	-	-
Missoula	25	246	11	-
Musselshell	-	5	-	-
Park	-	21	4	-
Petroleum	-	-	-	-
Phillips	-	3	-	-
Pondera	-	6	-	-
Powder River	-	-	-	-
Powell	-	7	-	-
Prairie	-	-	-	-
Ravalli	5	45	-	1
Richland	-	30	-	-
Roosevelt	-	90	-	-
Rosebud	1	59	7	1
Sanders	-	26	1	-
Sheridan	-	1	-	-
Silver Bow	7	67	3	-
Stillwater	-	7	2	-
Sweet Grass	-	1	-	-
Teton	-	3	-	-
Toole	-	2	2	1
Treasure	-	1	-	-
Valley	-	15	1	-
Wheatland	-	-	-	-
Wibaux	-	-	-	-
Yellowstone	20	378	39	3
Other/Out of State	-	-	-	-
2005 Total	91	2402	158	7
2004 Total	21	2617	89	4
2003 Total	29	2525	119	0

* "Reporting county" reflects county of residence whenever possible. Reports are counted as they are received by DPHHS. The above data include all reports received from January through December 31, 2005.